JOINT INFORMATION ENGINEERING ORGANIZATION

Parkridge III, 10701 Parkridge Boulevard, Reston, VA 20191 SYMBOLOGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

SSMC NO: 3-01	Date: August 24, 2001
CP No: MIL00-17B	Title: Add Rectangular Critical Friendly Zone
Originator, Name and Address: Army/PM EFCCS	
SSMC Action: Approved Approved with Changes Withdrawn Deferred Declared Substantive By: Disapproved Testing Required Prior to Decision Subsequent to Decision Allied Coordination Required	Decision: Approved as modified. See attached CP for approved modifications.
	C S MA NC EO SA

SYMBOLOGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM									
CHANGE PROPOSAL NUMBER MIL00-17B									
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION						
PM FATDS	ARMY	1 September 2000	August 23, 2001						
CHANGE PROPOSAL TITLE									
ADD NEW SYMBOL, CRITICAL FRIENDLY ZONE, RECTANGULAR									
SUGGESTED CHANGE									

The Fire Support community has a requirement to add a new symbol to MIL-STD-2525B.

- 1. The purpose of the rectangular radar Critical Friendly (CF) Zone symbol is to graphically display rectangular Critical Friendly Zones to commanders in the Common Operational Picture (COP)/Common Tactical Picture (CTP).
- 2. Recommend adding to hierarchy item 2.X.4, Fire Support, under the "Areas", "Target Acquisition Zones" hierarchy, 2.X.4.3.3, figure B-17, and table B-IV.

OVERVIEW

Currently, the standard does not contain a symbol depicting rectangular radar Critical Friendly Zones. The purpose of the rectangular radar CF Zone symbol is to graphically display to commanders and operators the geometry used with fire support radar's to designate an area from which targeting intelligence data of enemy indirect fires would be gathered and sent to fire support systems. Incorporation into MIL STD 2525B, which will be used in JMTK and GSD, will allow the symbols to be transmitted/received by all battlefield system. The rectangular radar CF Zone is a required symbol for use in the COP/CTP and to be shared across the battlefield. The development of the COP/CTP is required of all ABCS component systems. Fire Support systems are the producer of rectangular radar CF Zone for the COP/CTP. Fire Support systems will retain this capability for fielding throughout the Army and USMC.

OPERATIONAL DESCRIPTION

In general, the purpose of the rectangular radar CF Zone symbol is to graphically display to commanders and operators the geometry used with fire support radar's to designate an area from which targeting intelligence data of enemy indirect fires would be gathered and sent to fire support systems. Two (2) point locations and a width are required to graphically display a rectangular Critical Fire Zone. The minimum information required to interoperate with another system is defined below.

IMPLEMENTATION

Description: Fire Support, Area, Target Acquisition Zone, Critical Friendly Zone, Rectangular

Parameters:

- 1. Anchor Points. This graphic requires two anchor points and a width, defined in meters, to define the boundary of the area. Points 1 and 2 will be located in the center of two opposing sides of the rectangle.
- 2. Size/Shape. Size: As determined by the anchor points. The anchor points determine the length of the rectangle. The width, defined in meters, will determine the width of the rectangle. Shape: Rectangle. The information fields should be moveable and scaleable.
- 3. Orientation. As determined by the anchor points.

Fixed/Dynamic: Dynamic

Hierarchy: 2.X.4.3.3.6.2

SYMBOLOGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM											
CHANGE PROPOSAL NUMBER MIL00-17B											
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION								
PM FATDS	ARMY	1 September 2000	August 23, 2001								
CHANGE PROPOSAL TITLE											
ADD NEW SYMBOL, CRITICAL FRIENDLY ZONE, RECTANGULAR											
Symbol ID: G*F*AZFR*	***X										
Tactica	l Graphic:	<u>Ex</u>	ample:								
W CF ZONE CF ZONE GREEN											
	JIEO AN	IALYSIS									
OVERVIEW: POTENTIAL CONFLICTS WITH EXISTING SYMBOLOGY: CONFORMANCE TO SYMBOL GUIDELINES: ADEQUACY AND IMPACT ON OTHER PROGRAMS: C/S/A COMMENTS											
DECISION NOTICE											

SSMC 3-01: Approved as amended. MIL00-17A amended by adding text to point out that width will be defined in meters. See parameters and graphic example above and the example of Table B-IV in attachment A.

Tasks:

1. Modify Figure B-17 to reflect new hierarchy structure (Figure B-17 becomes Figures B-17.1 and B-17.2) and addition of new Fire Support graphics.

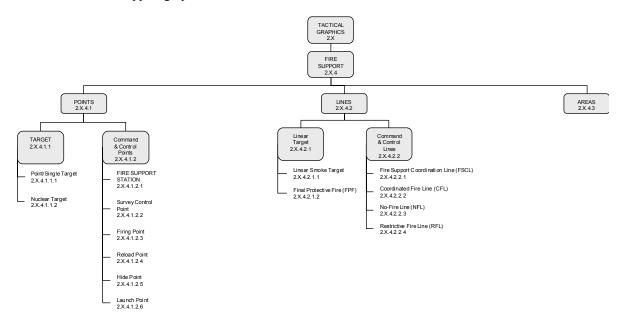


Figure B-17.1. Fire Support.

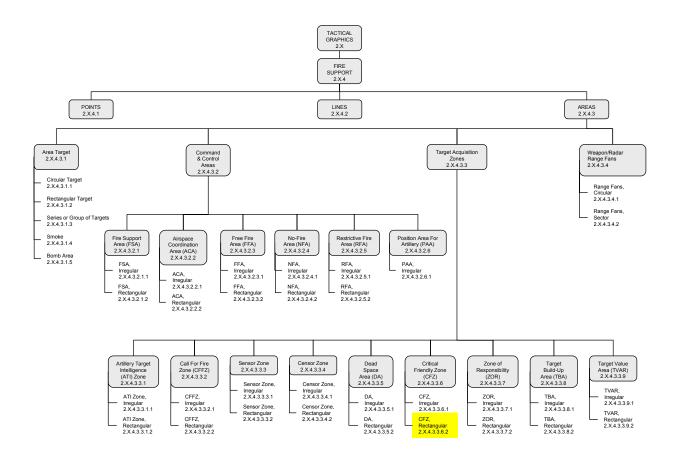


Figure B-17.2. Fire support.

Attachment A to MIL00-17B, Add New Symbol, Critical Friendly Zone, Rectangular

2. Modify Table B-III to reflect restructured hierarchy numbers, provide new symbol IDs for restructured graphics and addition of new graphics' hierarchy numbers and symbol IDs.

HIERARCHY	CODE SCHEME	AFFILIATION	CATEGORY	STATUS		FUNCTION ID	SIZE/MOBILITY	COUNTRY CODE	ORDER OF BATTLE	DESCRIPTION		
2.X.4	G	*	F	*			 **	**	Χ	FIRE SUPPORT		
2.X.4.1	G	*	F	*	P-		 **	**	Χ	POINT		
2.X.4.1.1	G	*	F	*	PT		 **	**	Χ	TARGET		
2.X.4.1.1.1	G	*	F	*	PT	S-	 **	**	Χ	POINT/SINGLE TARGET		
2.X.4.1.1.2	G	*	F	*	PT	N-	 **	**	Х	NUCLEAR TARGET		
2.X.4.1.2	G	*	F	*	PC		 **	**	Х	COMMAND AND CONTROL		
2.X.4.1.2.1	G	*	F	*	PC	F-	 **	**	Χ	FIRE SUPPORT STATION		
2.X.4.1.2.2	G	*	F	*	PC	S-	 **	**	Х	SURVEY CONTROL POINT (SCP)		
2.X.4.1.2.3	G	*	F	*	PC	B-	 **	**	Х	FIRING POINT		
2.X.4.1.2.4	G	*	F	*	PC	R-	 **	**	Х	RELOAD POINT		
2.X.4.1.2.5	G	*	F	*	PC	H-	 **	**	Χ	HIDE POINT		
2.X.4.1.2.6	G	*	F	*	PC	L-	 **	**	Χ	LAUNCH POINT		
2.X.4.2	G	*	F	*	L-		 **	**	Χ	LINES		
2.X.4.2.1	G	*	F	*	LT		 **	**	Χ	LINEAR TARGET		
2.X.4.2.1.1	G	*	F	*	LT	S-	 **	**	Χ	LINEAR SMOKE TARGET		
2.X.4.2.1.2	G	*	F	*	LT	F-	 **	**	Χ	FINAL PROTECTIVE FIRE (FPF)		
2.X.4.2.2	G	*	F	*	LC		 **	**	Χ	COMMANDAND CONTROL		
2.X.4.2.2.1	G	*	F	*	LC	F-	 **	**	Χ	FIRE SUPPORT COORDINATION LINE (FSCL)		
2.X.4.2.2.2	G	*	F	*	LC	C-	 **	**	Χ	COORDINATED FIRE LINE (CFL)		
2.X.4.2.2.3	G	*	F	*	LC	N-	 **	**	Χ	NO-FIRE LINE (NFL)		
2.X.4.2.2.4	G	*	F	*	LC	R-	 **	**	Χ	RESTRICTIVE FIRE LINE (RFL)		
2.X.4.3	G	*	F	*	A-		 **	**	Χ	AREAS		
2.X.4.3.1	G	*	F	*	AT		 **	**	Χ	AREA TARGET		
2.X.4.3.1.1	G	*	F	*	AT	C-	 **	**	Χ	CIRCULAR TARGET		
2.X.4.3.1.2	G	*	F	*	AT	R-	 **	**	Χ	RECTANGULAR TARGET		
2.X.4.3.1.3	G	*	F	*	ΑT	G-	 **	**	Χ	SERIES OR GROUP OF TARGETS		
2.X.4.3.1.4	G	*	F	*	ΑT	S-	 **	**	Χ	SMOKE		
2.X.4.3.1.5	G	*	F	*	ΑT	B-	 **	**	Χ	BOMB AREA		
2.X.4.3.2	G	*	F	*	AC		 **	**	Χ	COMMAND AND CONTROL		
2.X.4.3.2.1	G	*	F	*	AC	S-	 **	**	Х	FIRE SUPPORT AREA (FSA)		
2.X.4.3.2.1.1	G	*	F	*	AC	SI	 **	**	Х	FIRE SUPPORT AREA (FSA), IRREGULAR		
2.X.4.3.2.1.2	G	*	F	*	AC	SR	 **	**	Х	FIRE SUPPORT AREA (FSA), RECTANGULAR		
2.X.4.3.2.2	G	*	F	*	AC	A-	 **	**	Χ	AIRSPACE COORDINATION AREA (ACA)		
2.X.4.3.2.2.1	G	*	F	*	AC	ΑI	 **	**	Х	AIRSPACE COORDINATION AREA (ACA), IRREGULAR		
2.X.4.3.2.2.2	G	*	F	*	AC	AR	 **	**	Х	AIRSPACE COORDINATION AREA (ACA), RECTANGULAR		
2.X.4.3.2.3	G	*	F	*	AC	F-	 **	**	Х	FREE FIRE AREA (FFA)		
2.X.4.3.2.3.1	G	*	F	*	AC	FI	 **	**	Х	FREE FIRE AREA (FFA), IRREGULAR		
2.X.4.3.2.3.2	G	*	F	*	AC	FR	 **	**	X	FREE FIRE AREA (FFA), RECTANGULAR		
2.X.4.3.2.4	G	*	F	*	AC	N-	 **	**	X	NO-FIRE AREA (NFA)		
2.X.4.3.2.4.1	G	*	F	*	AC	NI	 **	**	X	NO-FIRE AREA (NFA), IRREGULAR		
2.X.4.3.2.4.1 2.X.4.3.2.4.2	G	*	F	*	AC	NR	 **	**	X	NO-FIRE AREA (NFA), RECTANGULAR		
2.X.4.3.2.5	G	*	F	*	AC	R-	 **	**	X	RESTRICTIVE FIRE AREA (RFA)		
2.X.4.3.2.5.1	G	*	F	*	AC	RI	 **	**	X	RESTRICTIVE FIRE AREA (RFA) RESTRICTIVE FIRE AREA (RFA), IRREGULAR		
2.X.4.3.2.5.1 2.X.4.3.2.5.2	G	*	F	*	AC	RR	 **	**	X	RESTRICTIVE FIRE AREA (RFA), IRREGULAR RESTRICTIVE FIRE AREA (RFA), RECTANGULAR		
2.X.4.3.2.6	G	*	F	*	AC	P-	 **	**	X	POSITION AREA FOR ARTILLERY (PAA)		
2.X.4.3.2.6.1	G	*	F	*	AC	PI	 **	**	X	POSITION AREA FOR ARTILLERY (PAA),		
Z.A.4.3.Z.0. I	U		г		AC	ΓI			_ ^	FUSITION AREA FUR ARTILLERT (PAA),		

HIERARCHY		CODE SCHEME	AFFILIATION	CATEGORY	STATUS		FUNCTION ID		SIZE/MOBILITY	COUNTRY C	ORDER OF B	DESCRIPTION		
,		ME	Z				D		ITY	CODE	BATTLE			
2 × 4 2 2			*	F	*	^7			**	**	V	IRREGULAR		
2.X.4.3.3		G	*	_	*	AZ			**	**	X	TARGET ACQUISITION ZONES		
2.X.4.3.3.1 2.X.4.3.3.1.1		G	*	F	*	AZ AZ	I- II		**	**	X	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE ARTILLERY TARGET INTELLIGENCE (ATI) ZONE,		
2.X.4.3.3.1.2	2	G	*	F	*	AZ	IR		**	**	Х	IRREGULAR ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, RECTANGULAR		
2.X.4.3.3.2		G	*	F	*	ΑZ	X-		**	**	Х	CALL FOR FIRE ZONE (CFFZ)		
2.X.4.3.3.2.1		G	*	F	*	AZ	XI		**	**	Х	CALL FOR FIRE ZONE (CFFZ), IRREGULAR		
2.X.4.3.3.2.2		Ğ	*	F	*	AZ	XR		**	**	Х	CALL FOR FIRE ZONE (CFFZ), RECTANGULAR		
2.X.4.3.3.3		G	*	F	*	ΑZ	S-		**	**	Х	SENSOR ZONE		
2.X.4.3.3.3.1		G	*	F	*	ΑZ	SI		**	**	Χ	SENSOR ZONE, IRREGULAR		
2.X.4.3.3.3.2		G	*	F	*	ΑZ	SR		**	**	Х	SENSOR ZONE, RECTANGULAR		
2.X.4.3.3.4		G	*	F	*	ΑZ	C-		**	**	Χ	CENSOR ZONE		
2.X.4.3.3.4.1		G	*	F	*	ΑZ	CI		**	**	Χ	CENSOR ZONE, IRREGULAR		
2.X.4.3.3.4.2	2	G	*	F	*	ΑZ	CR		**	**	Χ			
2.X.4.3.3.5		G	*	F	*	ΑZ	D-		**	**	Χ			
2.X.4.3.3.5.1		G	*	F	*	ΑZ	DI		**	**	Χ			
2.X.4.3.3.5.2	2	G	*	F	*	AZ	DR		**	**	Χ	DEAD SPACE AREA (DA), RECTANGULAR		
2.X.4.3.3.6		G	*	F	*	AZ	F-		**	**	Х	CRITICAL FRIENDLY ZONE (CFZ)		
2.X.4.3.3.6.1		G	*	F	*	AZ	FI		**	**	X	CRITICAL FRIENDLY ZONE (CFZ), IRREGULAR		
2.X.4.3.3.6.2	<u>'</u>	G	*	F	*	AZ AZ	FR	<u></u>	**	**	X	CRITICAL FRIENDLY ZONE (CFZ), RECTANGULAR		
2.X.4.3.3.7		G	· ·	F	*	AZ	Z-		**	**	X	ZONE OF RESPONSIBILITY (ZOR)		
2.X.4.3.3.7.1 2.X.4.3.3.7.2		G	*	F	*	AZ AZ	ZI ZR		**	**	X	ZONE OF RESPONSIBILITY (ZOR), IRREGULAR		
2.X.4.3.3.7.2 2.X.4.3.3.8	<u>-</u>	G	*	F	*	AZ	B-		**	**	X	ZONE OF RESPONSIBILITY (ZOR), RECTANGULAR		
2.X.4.3.3.8.1	1	G	*	F	*	AZ	BI BI		**	**	X	TARGET BUILD-UP AREA (TBA) TARGET BUILD-UP AREA (TBA), IRREGULAR		
2.X.4.3.3.8.2		G	*	F	*	AZ	BR		**	**	X	TARGET BUILD-UP AREA (TBA), IRREGULAR TARGET BUILD-UP AREA (TBA), RECTANGULAR		
2.X.4.3.3.9	-	G	*	F	*	AZ	V-		**	**	X	TARGET VALUE AREA (TVAR)		
2.X.4.3.3.9.1		G	*	F	*	AZ	VI		**	**	X	TARGET VALUE AREA (TVAR), IRREGULAR		
2.X.4.3.3.9.2		G	*	F	*	AZ	VR		**	**	X	TARGET VALUE AREA (TVAR), RECTANGULAR		
2.X.4.3.4		Ğ	*	F	*	AX			**	**	Х	WEAPON/RADAR RANGE FAN		
2.X.4.3.4.1		G	*	F	*	AX	C-		**	**	Х	WEAPON/RADAR RANGE FAN, CIRCULAR		
2.X.4.3.4.2		G	*	F	*	AX	S-		**	**	Х	WEAPON/RADAR RANGE FAN, SECTOR		

Attachment A to MIL00-17B, Add New Symbol, Critical Friendly Zone, Rectangular

3. Modify and amend Table B-IV as needed to agree with Figure B-17.1, B-17.2 and Table B-III as shown above.

DESCRIPTION	STATIC/ DYNAMIC	HIERARCHY SYM-ID	TACTICAL GRAPHIC
FIRE SUPPORT AREAS TARGET ACQUISITION ZONES CRITICAL FRIENDLY ZONE (CFZ)	N/A	2.X.4.3.3.6	
FIRE SUPPORT AREAS TARGET ACQUISITION ZONES CRITICAL FRIENDLY ZONE (CFZ) IRREGULAR Parameters 1. Anchor points. This graphic requires a minimum of three anchor points to define the boundary of the area. Add as many points as necessary to accurately reflect the area's size and shape. 2. Size/Shape. Determined by the anchor points. The information fields should be moveable and scaleable within the area. 3. Orientation. Not applicable.	D	2.X.4.3.3.6.1 G*FPAZFI- ****X Example	CF ZONE W W1 CF ZONE GREEN
FIRE SUPPORT AREAS TARGET ACQUISITION ZONES CRITICAL FRIENDLY ZONE (CFZ) RECTANGULAR Parameters 1. Anchor Points. This graphic requires two anchor points and a width, defined in meters, to define the boundary of the area. Points 1 and 2 will be located in the center of two opposing sides of the rectangle. 2. Size/Shape. Size: As determined by the anchor points. The anchor points determine the length of the rectangle. The width, defined in meters, will determine the width of the rectangle. Shape: Rectangle. The information fields should be moveable and scaleable. 3. Orientation. As determined by the anchor points.	D	2.X.4.3.3.6.2 G*FPAZFR ****X Example	CF ZONE CF ZONE GREEN